

CISMARU, D.

Reactions in solid media to high temperatures; study of the kinetics of the reaction of calcium sulfate with silicon dioxide. p. 435. Academia Republicii Populare Romine. Institutul de Fizica. STUDII SI CERCETARI DE FIZICA. Bucuresti. Vol. 6, no. 3, July/Sept. 1955

So. East European Accessions List Vol. 5, No. 9 September, 1956

COUNTRY : Rumania B-9
 CATEGORY :
 Cismaru, D.
 ABS. JOUR. : RZKhim., No. 14 1959, No. 48816
 AUTHOR : Cismaru, D.
 INST. : Not given
 TITLE : Solid State Reactions at High Temperatures.
 The Kinetics of the Reaction Between Calcium Sulfate and Quartz in the Presence of Metal*
 ORIG. PUB. : Rev Chim (Pumania), 2, No 2, 267-278 (1957)
 ABSTRACT : The author has applied the gravimetric method to the investigation of the reaction between CaSO_4 and SiO_2 at 1,010, 1,110, and 1,210° in equimolar amounts and in the presence of ZnO , MnO , Mn_2O_3 , Cr_2O_3 (1 wt % based on CaSO_4), and NaCl (3%). The Ginstling-Brounshteyn [Ginstling-Braunstein ?] equation for the diffusion kinetics of reactions in spherical particles (Zhur Priklad Khim, 23, No 12, 1249 (1950)) was found to give an adequate description of the reaction process

CARD: 1/3

* Oxides (Mineralizers)

B-42

COUNTRY	:	Rumania	B-9
CATEGORY	:		
ABS. JOUR.	:	RZKhim., No. 14 1959, No.	48816
AUTHOR	:		
INST.	:		
TITLE	:		
ORIG. PUB.	:		
ABSTRACT	:	in the presence of NaCl at all temperatures; however, when applied to equimolar mixtures of CaSO₄ and SiO₂ with additions of metal oxides it was found to hold only at 1210°. NaCl appears to be a more active mineralizer than the investigated metal oxides, with the exception of MnO which exhibits the most active mineralizing effect at 1210°. On the basis of the results obtained the author concludes that a marked increase in the diffusion rate through	

CARD: 2/3

COUNTRY : Rumania
CATEGORY : B-9
ABS. JOUR. : RZhKhim., No. 14 1959, No. 48816
AUTHOR :
INST. :
TITLE :
ORIG. PUB. :
ABSTRACT : the layer of primary reaction product, $2 \text{CaO} \cdot \text{SiO}_2$, takes place in the presence of NaCl at all the investigated temperatures, whereas in the presence of metal oxides such an effect takes place only at 1210° . Because of the marked diffusion rate of CaO at temperatures above 1210° , silicates of lower CaO content are not formed; at temperatures under 1210° products of lower CaO content ($3\text{CaO} \cdot 2\text{SiO}_2$, $\text{CaO} \cdot \text{SiO}_2$) are formed along with $2\text{CaO} \cdot \text{SiO}_2$. See also RZhKhim, No 17, 1956, 53968.

M. Sakharov

CARD: 3/3

B-43

CIS MARU, D

RUMANIA/Physical Chemistry - Kinetics. Combustion.
Explosions. Topochemistry. Catalysis.

B-9

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 24239

Author : Cismaru, D.

Inst :

Title : Reactions in Solid Media at High Temperatures. Study of
Kinetics and Equilibrium of Reaction of Calcium Sulfate
With Silica.

Orig Pub : Studii si cercetari chim., 1957, 5, No 1, 119-133

Abstract : Investigation of the kinetics and equilibrium of the reac-
tion of CaSO_4 (I) with SiO_2 at 1010-1210° and with a molar
ratio of the reactants of 1:1. A number of experiments
were conducted with addition of mineralizers: CaCl_2 Fe_2O_3 ,
mixture of Fe_2O_3 + NaCl, used in the following propor-
tions (in %) in relation to I: 5 CaCl_2 , 1 Fe_2O_3 , 1 Fe_2O_3 +
3 NaCl. Velocity constant of the reaction is determined.

Card 1/2

RUMANIA/Physical Chemistry - Kinetics. Combustion.
Explosions. Topochemistry. Catalysis.

B-9

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 24239

by previously described method (Gistilling A.M.,
Drounshteyn B.I., Zh. prikl. khimii, 1950, 23, 1249).

Card 2/2

19

RUMANIA/Physical Chemistry. Kinetics. Combustions. B
Explosions. Topochemistry. Catalysis.

Abs Jour: Ref. Zhur. - Khimiya, No. 4, 1959, 11107

Author : Cismaru D.

Inst : ~~Not given~~

Title : Reactions in the Solid State at High Temperatures.
Concerning the Kinetics of the Reaction of Calcium
Sulphate and Silicon Dioxide with the Addition of
Metallic Oxides (Mineralizers).

Orig Pub: Studii si cercetari chim., 1957, 5, No. 4, 673-685

Abstract: There are presented the results of a kinetics
study of the reactions in mixtures of CaSO_4 and SiO_2 ,
in a molecular proportion of 1:1, containing additions
of 1% of ZnO , MnO , Mn_2O_3 at 1010-1210°. The speed
constant of the reaction was computed from an equa-
tion, which takes diffusion into consideration.--
Author's resume.

Card 1/1

RUMANIA/Physical Chemistry - Kinetics. Combustion. Explosions. D
Topochemistry. Catalysis.

Abs Jour : Ref Zhur Khimiya, No 19, 1959, 67303

Author : Murgulescu, I.G., Clismaru, D.

Inst : -

Title : Magnesium Oxidation at High Temperature. Report I, II.

Orig Pub : Rev. chim. (RPR), 1958, 3, No 2, 177-189

Abstract : The kinetics of Mg corrosion in an O_2 , CO_2 , and N_2 atmosphere at 520-580° was investigated. It was established that Mg oxidation in dry and moist O_2 leads to the formation of a MgO film and obeys the linear time law. Mg oxidation in CO_2 takes place only when the surface has been specially treated (except for a certain initial period), and obey the parabolic law. Oxidation in moist CO_2 gives no reproducible results. Corrosion in dry N_2 leads to the formation of a Mg_2N_3 film and obeys the parabolic law, and in wet N_2 , Mg corrosion obeys the

Card 1/2

RUMANIA/Physical Chemistry - Kinetics. Combustion. Explosions. D
Topochemistry. Catalysts.

Abs Jour : Ref Zhur Khimiya, No 19, 1959, 67303

linear law. The maximum Mg corrosion rate is observed in CO_2 , the minimum rate is N_2 . The presence of water vapor in CO_2 increases the oxidation rate markedly; in the case of oxidation in N_2 or O_2 , the presence of H_2O vapors speeds up the reaction. The corrosion rate obeys the Arrhenius temperature relationship. The energy of activation of Mg oxidation (in cal/mol) is 47,920 in dry O_2 , 41,130 in wet O_2 ; 39,780 in dry N_2 , 36,090 in wet N_2 , 37,150 in dry CO_2 . -- Yu. Kozmanov

Card 2/2

- 21 -

CISMARU, D.; MARGULESCU, I.

Oxidation of magnesium at high temperatures. Notes I-II. p. 489.

Academia Republicii Populare Romine. STUDII SI CERCETARI DE CHIMIE. Bucuresti, Rumania. Vol. 6, no. 4, 1958.

Monthly List of East European Accessions (EEAI) Vol. 8, no. 7, July 1959.

Uncl.

RUMANIA/Physical Chemistry - Kinetics, Combustion. Explosions. B
Topochemistry. Catalysis.

Abs Jour : Ref Zhur Khimiya, 1959, 67307

Author : Cismaru, D.

Inst : Rumanian Academy

Title : Reactions in Solid Media at High Temperatures. Concerning the Reaction of Calcium Sulfate with Silicon Dioxide.

Orig Pub : Studii si cercetari chim. Acad. RPR, 1958, 6, No 4, 539-546

Abstract : The feasibility of increasing the rate of CaSO_4 decomposition in order to increase the SO_3 yield is examined. Two forms of quartz a $\text{CaSO}_4 / \text{SiO}_2$ mixture, as well as various mineralizer NaCl , MnO , Fe_2O_3 , Mn_2O_3 , Cr_2O_3 ,

Card 1/2

RUMANIA/Physical Chemistry - Minerals. Combustion. Explosions. D
Topochemistry Catalysis.

Abs Jour : Ref Zhur Khimiya, No. 19, 1959, 67307

ZnO, and CaCl_2 were investigated as additives. The tests were conducted at 1000-1200°. It was established that the reaction rate increases on addition of NaCl, MnO, Fe_2O_3 , Cr_2O_3 , and ZnO. Addition of CaCl_2 has no effect on, or somewhat reduces, the reaction rate. -- Author's summary.

Card 2/2

- 2 -

Oxidation of magnesium at elevated temperatures. I. G. Murgulescu and D. Clima
rep. populair Roumaine 3, 177-8 (1958) (in French).
 The oxidation of Mg by O_2 and CO_2 obeys a linear law. In the presence of N_2 , the oxidation follows a parabolic law. When the 3 gases contain H_2O vapor, the rate of oxidation varies greatly, decreasing in the order of $CO_2 > O_2 > N_2$. Mg is not oxidized by CO_2 , except when this surface condition exists. During oxidation by H_2O vapor, material decreases the rates observed for moist conditions that obey a linear law, the rate of activation energy of the reaction for which the const. were detd.

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 3
 E. M. Sherwood

CISMARU, D.

Oxidation of tungsten at high temperatures. The kinetics of the W-CO₂ system. D. Cismaru and G. D. Cismaru. Acad. rep. populare Romine., Seria cercetari chim., 7, 35-47 (1959).—W oxidn. in CO₂ atm., compared with the same in O₂ atm., indicates a smaller rate of oxidn. and a lower apparent energy of activation. Part of the O is probably consumed by oxidn. of sublimed lower oxides, far from the metal surface; gravimetric oxidn. results are thus lowered. The rate of reaction is detd. by the equil. conditions, issuing from the initial W + CO₂ system, the process being initiated by the O formed through CO₂ dissociation. The rate of oxidn. obeys a linear law with 3 different slopes (600-700°, 700°-800°, 800-900°); with a tendency to parabolic law below 600°. The oxides formed at the metal surface appear blue-brown (600-600°) turning into yellow-green (>600°), presenting longitudinal fissures.

M. Lapidot

Distr: 4E20A

Oxidation of Cu at elevated temperatures; the system Cu-CO₂. I. G. Murgulescu and D. C. Isinaru. *Acad. rep. populare Romine, Studii cercetari chim.* 7, 197-209(1950) (French summary 210-11).—The oxidn. of Cu in an atm. of CO₂ in the range 400-950° follows a parabolic law expressed as $(\Delta m^2/q) = K''t$ for the range 400-800° and $(\Delta m/q)(1/t'') + (1/K'')(\Delta m/q)^2 = t$ for the range 800-950° (Δm = increase in wt. of the oxide layer per unit area, q = area (sq. cm.), K'' = rate const. (g.² cm.⁻⁴ min.⁻¹), t = time min.). The values of K'' for the oxidn. of Cu in CO₂ are smaller than the corresponding values for oxidn. in O₂. The differences are marked above 800°, when the values of K''_{CO_2} do not increase sensibly with the temp. The oxidn. of Cu in CO₂ is affected by the equil.: $2Cu + CO_2 \rightleftharpoons Cu_2O + CO$ and $Cu_2O + CO_2 \rightleftharpoons 2CuO + CO$. The expression for the variation of the rate const. with the temp. is of the form: $K = A_1e^{-E_1/RT} + A_2e^{-E_2/RT}$.

R. A. Sanford

MURGULESCU, I.G., acad.: CISMARU, D.

Copper oxidation at high temperature; the Cu - CO₂ system. Rev
chimie 4 no.2:271-283 '59. (EEAI 9:7)

1. Comite de redaction, Revue de Chimie; Membre de l'Academie
de la Republique Populaire Roumaine (for Murgulescu)
(Copper) (Systems (Chemistry))
(Carbon dioxide)

MURGULESCU, I.G., acad; CISMARU, D.

On the nitration of magnesium at high temperatures. The system $Mg-N_2$.
Rev chimie 5 no.2:251-258 '60. (KEAI 10:4)

1. Academie de la Republique Populaire Roumaine, Centre de Recherches
chimiques, Section de Chimie physique. 2. Academie de la Republique
Populaire Roumaine, membre de l'Academie de Republique Populaire
Roumaine; Comite de redaction, Revue de chimie (for Murgulescu)
(Magnesium) (Nitrogen) (Carbon dioxide)
(Nitration) (Oxygen)

MURGULESCU, I.G., acad.; CISMARU, D.

On the nitration of magnesium at high temperatures. The system Mg-NH.
Rev chimie 5 no.2:289-297 '60. (EEAI 10:4)

1. Academie de la Republique Populaire Roumaine, membre de l'Academie
de la Republique Populaire Roumaine. 2. Comite de redaction, Revue
de chimie (for Murgulescu)
(Magnesium) (Ammonia) (Nitration)

CISMARU, D.; CISMARU, G. D.

Effect of electric field on the oxidation of magnesium at high temperature. Rev chimie 6 no.2:343-347 '61.

CISMARU, D.; VASS, M.

Reactions between the solid and the gas; kinetics of the reduction
of lead oxide with hydrogen. Studii cerc chim 9 no.1:27-38 '61.
(EEAI 10:9)

1. Centrul de cercetari chimice al Academiei R.P.R., Sectia de
chimie-fizica, Bucuresti. 2.Comitetul de redactie, Studii si cercetari
de chimie(for Cismaru).

(Lead oxides) (Hydrogen) (Reduction)

CISMARU, D.; VASS, M.

Reactions of solids and gases. Kinetics of the reduction of lead
oxide by hydrogen. Rev chimie 6 no.1:125-135 '61.

CISMARU, D.

ROMANIA

CISMARU, D.; CISMARU, G. D.

Bucharest, Studii si Cercetari de Metalurgie, No 1, 1963,
pp 23-30.

"The Effect of the Magnetic Field on the Speed of Oxidation
of Iron."

(2)

CISMARU, D.; CISMARU, G.D.

Effect of magnetic field on the oxidation speed of iron. Studii cerc
metalurgie 8 no.1:23-30 '63.

1. Centrul de cercetari chimice al Academiei R.P.R., Laboratorul
de cinetica chimica.

CISMARU, D.; VASS, M.

Kinetics of the reduction of manganese dioxide by
hydrogen. Pt. 1. Rev chimie 7 no. 1: 101-109 '62.

1. Section de chimie physique, Laboratoire de cinetique
chimique et de catalyse, Centre de recherches chimiques
de l'Academie de la R.P.R., Bucarest.

CISMARU, D.; CISMARU, G.D.

Effect of the magnetic field on the oxidation speed of iron.
Rev Roum metalurg 8 no. 2:203-210 '63.

1. Station of Chemical Research, Rumanian Academy, Laboratory
of Kinetic Chemistry.

CISMARU, D.; SIMON, Z.; VOLANSCHI, C.

Infrared absorption spectra of bismuth nitrate and bismuthyl nitrate.
Rev chimie Roum 9 no.11:681-684 N '64.

1. Institute of Physical Chemistry, Bucharest, 23 Dumbrava Rosie
Street.

CISMARU, D.; VASS, M.

~~XXXXXXXXXXXXXXXXXXXX~~
Kinetics of nitrogenization of aluminum films under high temperatures. Pt. 1. Rev chimie Roum 9 no.12:823-828 D '64.

1. Center of Chemistry and Physics Research, 23 Dumbrava Rosie Street, Bucharest. Submitted June 29, 1964.

CISMARU, D.; SIMON, Z.; VOLANSCHI, C.

Spectrum of absorption in infrared of bismuth nitrate and bismuthyl nitrate. Studii cerc chim 13 no.11:729-732 N '64.

1. Physical Chemistry Research Center, Bucharest, 23 Dumbrava Rosie Street.

CISMARU, G-D.

Oxidation of tungsten at high temperatures. The kinetics of the W-CO₂ system. D. Cismaru and G. D. Cismaru. *Acad. rep. populare Romine., Studii cercetari chim.* 7, 36-47 (1959).—W oxidn. in CO₂ atm., compared with the same in O₂ atm., indicates a smaller rate of oxidn. and a lower apparent energy of activation. Part of the O is probably consumed by oxidn. of sublimed lower oxides, far from the metal surface; gravimetric oxidn. results are thus lowered. The rate of reaction is detd. by the equil. conditions, issuing from the initial W + CO₂ system, the process being initiated by the O formed through CO₂ dissociation. The rate of oxidn. obeys a linear law with 3 different slopes (500-700°, 700°-800°, 800-900°), with a tendency to parabolic law below 600°. The oxides formed at the metal surface appear blue-brown (500-600°) turning into yellow-green (>600°), presenting longitudinal fissures. M. Lapidot.

CISMARU, D.; CISMARU, G. D.

Effect of electric field on the oxidation of magnesium at high temperature. Rev chimie 6 no.2:343-347 '61.

Cismaru, G. D.

RUMANIA

CISMAIU, D.; CISMAIU, G. D.

Bucharest, Studii si Cercetari de Metalurgie, No 1, 1963,
pp 23-30.

"The Effect of the Magnetic Field on the Speed of Oxidation
of Iron."

(2)

CISMARU, D.; CISMARU, G.D.

Effect of magnetic field on the oxidation speed of iron. Studii cerc
metalurgie 8 no.1:23-30 '63.

1. Centrul de cercetari chimice al Academiei R.P.R., Laboratorul
de cinetica chimica.

CISMARU, D.; CISMARU, G.D.

Effect of the magnetic field on the oxidation speed of iron.
Rev Roum metalurg 8 no. 2:203-210 '63.

1. Station of Chemical Research, Rumanian Academy, Laboratory
of Kinetic Chemistry.

CIRSMARU, Magda

Echo II, an artificial satellite of the earth. St si Teh Buc 16 no.2:
26 F '64.

1. Cercetator, sectorul sateliti, sectia astrofizica a Observatorului
astronomic, Bucuresti.

VOICU, V.; CISMAS, D.; CODITA, V.

Absolute measurement of the nuclear radiation sources. Pt. 5.
Metrologia apl 10 no.6:268-273 Je '63.

VOICU, V.; CODITA, V.; CISMAS, D.

Absolute measurement of activity of nuclear radiation sources.
Pt. 3. Metrologia apl 10 no.4:181-186 Ap '63.

BRINZAN, Gh.; CISMAS, Ion

Formation of natural coals. St si Teh Buc 14 no.5:28-29 My '62

CISMAS, *len*

- 18
- Biobiosphere, Stilina et al, Vol. XIV, No. 5, May 62 (continued).
14. "The Birth of the Elements," Enger T. TMD RASCU and Enger M. NOIA; pp 26-27.
 15. "The Formation of Natural Coals," Ch. BRINZAN and Ion CISMAS; pp 28-29.
 16. "The Overthrow of the Colonial System and the Autonomy of Missionarism," Aurelian FLORE, Universitatea de Iasi (unpublished); pp 30-31.
 17. "The Alpine Pastures," C. BUREGHIANU, Candidate in Agricultural Sciences (Candidate in Science Agriculture); pp 32-33.
 18. "Modern Methods for the Exploitation of Oil, Fluid Injections," Enger Ion TOCAN, Candidate in Sciences (Candidate in Science), Institute of Petroleum, Gas and Oil (Institute of Petroli, Gas si Geologie), Enger A. MIHAILESCU, Extraction Trust (Trustul de Extractie), Platzei, Maria DULU, Extraction Trust, Platzei, Enger D. IONESCU, Extraction Trust (Trustul de Extractie), Platzei and Enger Mirela IOANESCU, of the Technical Service (Serviciul Tehnic) of the General Directorate for the Drilling and Extraction of Oil (al Directorat General Petrol si Extractie); pp 34-36.
 19. "The Autopurification of the Chamber Cooling in the Furnace," Enger Traian OMBROBITA; pp 37.
 20. "British Oxygen," Angela MAROL; I.C.O.- pp 38, 43.
 21. "Oxygen, Again the Venus," pp 39.
 22. "Modern Equipment. The Textile Industry," pp 40.
 23. "Let Us Build a Pulso-Jet," Enger Vasile CIOBOTEA; pp 42-43.

- CISMAS, I.

SURNAME (in caps); Given Names

Country: Rumania

Academic Degrees:

Affiliation: -not given-

Source: Bucharest, Stiinta si Tehnica, No 6, Jun 1961, pp 14-15.

Data: "Thermal Waters."

Authors:

CISMAS, I., -Geologist.-
MINDRESCU, N.

CISMIGIU, A

Fielinger, A.; Cismigiu, A

"Prefabricated Plates and arc in construction of the Casa Scantiei Polygraphic Combine."
p. 37 (Industria Constructiilor, Si A Materialelor De Constructii, Vol. 2,
No. 10/11, Oct./Nov., 1951, Bucuresti)

SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 6, June.
1954, Uncl.

CISMIGIU, Al., ing., laureat al Premiului de Stat; TITARU, Em., ing.

Effects of the Skopje earthquake on constructions. Pt.1.
Rev constr si mat constr 16 no.4:172-180 Ap'64

CISMIGAU, Al., ing., laureat si premiu'ei de stat; TITAFU, An., ing.

Effects of the Skopje earthquake on constructions. Pt.2. Rev constr
si met constr 16 no. fr 231-248 by '64

CISOWSKA, Janina

Corrosion of sewage installations and their protection
in the light of the analyses of production enterprises
of the knitting and hosiery industry. Przegl włokien
17 no. 4/5: Supplement: Biul przem dziew i poncz 1 no. 2:
4-6 Ap-May '63.

CISOWSKA, Janina

Water and sewage management in the knitting and hosiery industry. Przegl włokien 17 no. 3: Supplement: Biul przem dziew i poncz 1 no. 1: 5-7 Mr '63.

PETRI, G.; CISPAK, J.; KOVACS, B.; BENTZIK, M.
~~unclassified~~

The significance of histamin and antihistaminics in simple inflammation. Magy. sebeszet 5 no. 4:241-246 Nov 1952. (GLML 24:1)

1. Doctors. 2. Surgical Clinic (Director -- Prof. Dr. Gyula Jaki) and Pharmacology Institute (Director -- Prof. Dr. Miklos Jancso), Szeged Medical University.

CISSARZ, ARNOLD.

Einführung in die Lagerstättenlehre. Allgemeiner Teil: die Bildung der Lagerstätten und ihre Systematik. Beograd, Izdavacko stamparsko preduzeće Saveta za energetiku i ekstraktivnu industriju vlade FNRJ, 1951. 163 p. (Introduction to the study of ore deposits. General part: Formation of deposits and their systems. In German. illus)

NjP

Not in DLC

SOURCE: East European Accessions List (EEAL), Library of Congress, Vol. 5, No. 12, December 1956.

CISSARZ, ARNOLD

✓ Petrography and genesis of the southwestern Maccedonian iron silicate ore deposits. Arnold Cissarz. *Vesnik savod - geol. geophys. istrash. Serbia* 11, 281-340 (1954) (in German).
- The deposits at 7 localities are described. They consist of oolitic siderite and chamosite in varying proportions. The carbonate was generally formed before the silicate. Thuringite, apatite, and anhydrite are commonly associated minerals, and magnetite and hematite have been formed by metamorphism. The origin of the deposits is discussed; C. believes that Fe, Si, and CO₂ were supplied by submarine eruptions and that pptn. of colloidal Fe silicates followed. A chem. analysis of highly altered gabbroic rock is given.
27 references. Michael Fleischer

Cissarz, A.
TSISSARTS, A. [Cissarz, Arnold], prof., doktor; GULDIN, N.Ye. [translator];
SMIRNOV, V.I., red.; ZNAMENSKAYA, V.K., red.; IOVLEVA, N.A.,
tekhn.red.

[Mineral deposits in Yugoslavia] Poleznye iskopaemye Iugoslavii.
Pod red. i s predisl. V.I.Smirnova. Moskva, Izd-vo inostr.lit-ry.
1958. 238 p. [Translated from the German] (MIRA 12:5)
(Yugoslavia--Mines and mineral resources)

COUNTRY	:	Poland	
CATEGORY	:		H-26
ABS. JOUR.	:	RZKhim., No. 16 1959, No.	58716.
AUTHOR	:	<u>Gissowski, A.</u>	
NOTE	:	Not given	
TITLE	:	Preliminary Defecation	
ORIG. PUB.	:	Gaz Cukrown, 60, No 8, 246-250 (1958)	
ABSTRACT	:	The author gives a brief history of the development of the preliminary defecation process [sic]. Various processes for effecting predefecation are discussed, and the advantages of each are pointed out. In particular, the author has made a comparison of simultaneous and progressive preliminary defecation. The Sokolov preliminary defecation process is described; the basic elements of this process are the batching and addition of lime, progressive cold lime feed	

CARD: 1/2

COUNTRY	:	Poland	
CATEGORY	:		H-26
ABS. JOUR.	:	RZKhim., No. 16 1959, No.	58716
AUTHOR	:		
INST.	:		
TITLE	:		
ORIG. PUB.	:		
ABSTRACT	:	[omission?]. Recycled repurge syrup (filtered or thickened) or filter sludge may be used in the place of lime.	
		D. Bronshteyn	

CARD: 2/2

CISTECKY, Alois, inz.

A new type of telephone earpiece. Cs spoje 7 no.1:15 Ja '62.

1. Pracovník Hospodarske ustredny spoju, Praha.

CISTECKY, Alois, inz., KOEBACH, Ladislav

Plastic materials in telecommunication equipment.
Czspoj 7 no.2:17-18. F '62.

1. Pracovník Hospodarske ustredny spoju Praha.

CISST. J,

Use of a slot model in research on seepage of gravity water in soil.
p. 159. VODNI HOSPODARSTVI. (Ustredni sprava vodniho hospodarstvi)
Praha. Vol. no. 6, June 1956.

SOURCE: East European Accessions List, Vol. 5, no.9, September 1956

CTSTIN, J. HALEK, V.

"Application of the membrane analogy in the hydrotechnical research on ground water." p.57

VODOHOSPODARSKY CASOPIS (Slovenska akademiavied) Bratislava, Czechoslovakia,
Vol. 7, no. 1, 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 6, June 1959

Uncl.

EXCERPTA MEDICA Sec.18 Vol.2/3 Cardiovascular Dis.Mar58
ČISTOSERDOVA, N.

733. *Orthostatic reaction in people with normal and high blood pressure* Ortostatická reakce u normotoniků a hypertoniků. ČISTOSERDOVA N. Úst. pro Chor. Krevn. v Praze-Krči Vnitř. lékař. 1957, 3/6 (505—513) Graphs 2 Tables 4

One hundred cases of hypertension, stages I and II, were compared with a control group of 43 healthy persons and a group of 37 potentially abnormal reactors. Blood pressure in hypertension shows some lability after standing, systolic pressure especially declines frequently. The average rise of systolic and diastolic pressure is smaller. The differences between hypertension of stages I and II are that in a more advanced stage with higher blood pressure values at rest the rise of blood pressure after standing up is less frequent and the average increase of blood pressure is smaller.

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Statistical evaluation has shown that the increase of blood pressure after standing up is dependent upon initial values. The orthostatic reaction is not diagnostic of potential hypertension. In evaluation of the condition of the patient it does not give more information than the measurement of blood pressure. (XVIII, 6)

GISTOSEROVA, Natalie

~~████████████████████~~
Hydrazinophtalazines in therapy of hypertension. Cas. lek. cesk.
44 no.10:245-247 4 Mar 55.

1. Ustav pro choroby obehu krevniho, Praha-Krc; reditel prof.
Kl. Weber.

(SYMPATOLYTICS, ther. use
hydrazinophtalazine in hypertension)
(hypertension, ther. use
hydrazinophtalazine)

CISWICKA, Malgorzata; SZNAJDERMAN, Marek

Value of clearance test in diagnosis of arteriosclerosis.
Polski tygod. lek. 11 no.51:2145-2149 17 Dec 56.

1. (Z II Kliniki Chorob Wewnętrznych A.M. w Warszawie;
kierownik: prof. dr. D. Aleksandrow) Warszawa, ul. Nowogrodzka
59. II. Klinika Chor. Wewn. A.M.
(ARTERIOSCLEROSIS, diagnosis,
heparin clearance test (Pol))
(HEPARIN
clearance test in diag. of arteriosclerosis (Pol))

CISWICKA, Malgorzata; SZNAJDERMAN, Marek

Additional data on the heparin clearing action. Polski tygod. lek. 13
no.3:86-88 20 Jan 58.

1. Z II Kliniki Chorob Wewnetrznych A. M. w Warszawie; kierownik: prof. dr.
med. D. Aleksandrow. Adres: Warszawa, Nowogrodzka 59. II Klinika Chorob
Wewn. A. M.

(HEPARIN, physiol.

lipemia clearing action (Pol))

(LIPIDS, in blood

lipemia clearing action of heparin (Pol))

EXCERPTA MEDICA Sec 18 Vol 3/8 Cardio. Dis. Aug 59

2192. Studies on the lipolytic activity of blood serum in atherosclerosis CISWICKA M.,
MICHAJLIK A. and SZNAJDERMAN M. II. Med. Clin., Acad. of Med., Warsaw, Poland
Acta med. scand. 1958, 161/5 (391—395) Graphs 1 Tables 2

Determinations of free (unesterified) fatty acids (FFA) in sera of 15 normal and 17
atherosclerotic subjects showed a significant difference (80% higher in normals) in
the FFA values at the peak of alimentary lipaemia. After heparin administration,
the increase of FFA above the level in fasting serum was the same in both groups.
Bokman - Cairo (II, 6, 18)

EXCERPTA MEDICA Sec 18 Vol 4/3 Cardiovas. Dis. Mar 60

935. **Influence of low-fat diet and Soya-bean oil on cholesterolaemia, serum phospholipids and beta-lipoproteins** Wplyw diety ubogotuszczowej i oleju sojowego na poziom cholesterolu, fosfolipidów i beta-lipoprotein. CISWICKA-SZNAJDERMAN M. II Klin. Chor Wewn. A.M., Warszawa *Kardiol. pol.* 1959, 22 (123-133) Graphs 1-Tables 4

Total and free serum cholesterol, phospholipids and β -lipoproteins were determined weekly in 34 patients with coronary disease. The influence of low-fat diet was investigated in 19 patients; 15 other patients received a diet containing soya-bean oil. A statistically significant decrease in serum cholesterol was obtained in the first and fourth week in patients receiving a low-fat diet. On diet containing soya-bean oil the decrease in cholesterol was statistically significant in all weekly determinations. The level of phospholipids and β -lipoproteins remained nearly unaltered. Ch/P index decreased. Diet containing soya-bean oil seems to be of greater practical value than the low-fat diet, the hypocholesterolaemic effect of the former being more gradual and its composition nearer to the physiological diet. Influence of dietary fat on cholesterolaemia is thoroughly reviewed and the role of sitosterols, unsaturated fatty acids and essential fatty acids is discussed. (XVIII, 69)

ALEKSANDROW, D.; CISWICKA-SZNAJDERMAN, M.; GAJEWSKI, J.; IGNATOWSKA, H.;
SZNAJDERMAN, M.; WOCIAŁ, B.

Studies on the effect of magnesium sulfate on the level of lipids
and on the indices of coagulation and fibrinolysis in atherosclerotic
patients. Polskie arch.med.wewn. 30 no.8:1045-1053 '60.

1. Z II Kliniki Chorob Wewnętrznych A.M. W Warszawie Kierownik:
prof. dr med. D.Aleksandrow

(MAGNESIUM SULFATE ther)
(ARTERIOSCLEROSIS ther)
(LIPIDS blood)
(BLOOD COAGULATION pharmacol)
(FIBRINOLYSIS pharmacol)

ALEKSANDROW, Dymitr; CISWICKA-SZNAJDERMAN, Malgorzata; GAJEWSKI, Jerzy;
IGNATOWSKA, Hanna; SZNAJDERMAN, Marek; ZAKIEWICZ, Marek

Studies on the content of non-esterified fatty acids in various
segments of the vascular system in dogs in nutritional lipemia
and after heparin injections. Polskie arch. med. wewnetrz. 30 no.11:
1357-1360 '60.

1. Z II Kliniki Choroób Wewnetrznych A.M. w Warszawie Kierownik:
prof. dr med. D. Aleksandrow i z Zakładu Chirurgii Doswiadczalnej
PAN.

(BLOOD VESSELS chem) (FATTY ACIDS chem)
(LIPIDS nutrition & dietes) (HEPARIN pharmacol)

ALEKSANDROW, Dymitr; IGNATOWSKA, Hanna; CISWICKA-SZNAJDERMAN, Malgorzata

Total cholesterol level in normal and arteriosclerotic men with special reference to sex and age factors. Polskie arch. med. wewn. 31 no.6: 769-778 '61.

1. Z II Kliniki Chorob Wewnetrznych AM w Warszawie Kierownik: prof. dr med. D. Aleksandrow.

(ARTERIOSCLEROSIS blood) (CHOLESTEROL blood)
(AGING) (SEX)

ALEKSANDROW, Dymitr; CISWICKA-SZNAJDERMAN, Malgorzata; IGNATOWSKA, Hanna;
WOCIAL, Bozena

Studies on carbohydrate metabolism in atherosclerosis. Polskie arch.
med. wewn. 32 no.5:405-417 '62.

1. Z II Kliniki Chorob Wewnętrznych AM w Warszawie Kierownik: prof.
dr. med. D. Aleksandrow.

(ARTERIOSCLEROSIS, blood)

(BLOOD SUGAR)

ALEKSANDROW, Dymitr; CISWICKA-SZNAJDERMAN, Malgorzata; IGNATOWSKA, Hanna;
WOCIAL, Bożenna

Further studies on carbohydrate metabolism disorders in atherosclerosis.
Polskie arch. med. wewn. 32 no.5:419-426 '62.

1. Z II Kliniki Chorob Wewnętrznych A.M. w Warszawie Kierownik:
prof. dr med. D. Aleksandrow.
(BLOOD SUGAR) (ARTERIOSCLEROSIS blood)

SZNAJDERMAN, Marek; CISWICKA-SZNAJDERMAN, Malgorzata; IGNATOWSKA,
Hanna; GAJEWSKI, Jerzy; SKORYKOW, Alina

Clinical studies on atromid. I. Effect of atromid on blood
serum lipids and liver function tests. Pol. arch. med. wewnet.
34.11.77:1647-1652.

Clinical studies on atromid. II. Effect of atromid on blood
coagulation and fibrinolysis. Ibid.:1647-1652

1. Z II Kliniki Chorob Wewnętrznych Akademii Medycznej w
Warszawie (Kierownik: prof. dr..med. D. Aleksandrow).

BACZKO, A.; CISWICKA-SZNAJDERMAN, M.; JAKUBOWICZ, K.; SZNAJDERMAN, M.

A case of essential hyperlipemia treated with atromid. Kardiol.
Pol. 8 no.2:135-141 '65.

1. Z II Kliniki Chorob Wewnetrznych (Kierownik: prof. dr. D.
Aleksandrow) i z Kliniki Dermatologicznej AM w Warszawie
(Kierownik: prof. dr. S. Jablonska).

SEMIOTYK, Marieta; CIEPIK, Jan; RYTT, Maria

Staphylococcal pneumonias in adults. Gruslica 32 no.4:327-336.
Ap '64.

I. Z Instytutu Gruźlicy Zakład Radiologii (Kierownik: prof. dr.
med. K. Ossowska) i Klinika Chorób Płuc (Kierownik: doc. dr. med.
P. Krakowska).

CISZECKA, Jozefa, mgr inż.; OSUCHOWSKA, Barbara, mgr inż.

Remarks on writing articles for technical periodicals. Przegl
elektrotechn 40 no.6:260-261 Je '64

1. Deputy Chief Editors, "Przegl Elektrotechniczny", Warsaw.

CISZEK, J.

CISZEK, J. Building cable lines. (To be contd.) p. 4. WIADOMOSC
TELEKOMUNIKACYJNE. Warszawa, Poland. Vol. 25, no. 1, Jan. 1956.

SOURCE: East European Accessions List (EEAL) LC VOL. 5, No. 6, June 1956

CISZEK, J. ZOCHOWSKI, W.

CISZEK, J.; ZOCHOWSKI, W.

Building cable lines. (Conclusion)

p. 44 (Tele-radio) Vol. 26, no. 2, Feb. 1956, Warszawa, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

PECYNA, Janina; CISZEK, Jan; KULEJEWSKA, Magdalena; LACHOWICZ, Danuta;
ROWINSKA, Ewa

Clinical course of pulmonary tuberculosis in the established
bacillary resistance to INH. Gruzlica 28 no.6:451-461 Je '60.

1. Z Oddzialow Gruzlicy Kierowicy: doc. dr J.Madey i dr B.Kampioni
i z Zakladu Mikrobiologii Kierownik: doc. dr M.Buraczewska
Instytutu Gruzlicy Dyrektor: prof. dr J.Misiewicz [deceased]
(ISONIAZID ther)

CISZEK, W.

Aerial parade in Tushino. p. 438. (SKRZYDLATA POLSKA, Vol. 10, No. 28, July 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

CISZEK, Jan

Diagnostic difficulties in a case of mobile round shadow in the cavity of the pulmonary parenchyma. Gruzlica 30 no.3:253-258 '62.

1. Z Oddziału I Kierownik: doc: dr. med. P. Krakowka Z Zakładu
Patologii Kierownik: prof. dr. med. S. Chodkowska Instytutu
Gruzlicy Dyrektor: prof. dr med. W. Jaroszewicz.
(LUNG DISEASES radiog)

CISEEK, Jan

Sensitization to antibacterial drugs with special reference to
diagnosis and desensitization. Gruslica 38 no. 6:477-488 Jan '64.

1. Z Kliniki Chorob Pluc Instytutu Gruzielicy (Kierownik: doc. dr.
med. P. Krakowka).

KRAUSE, Witold; CISZEWSKA, Irena

Theoretical basis of the petrographic preparation of coal charge.
Koks 6 no.4:134-140 J1-Ag '61.

1. Instytut Chemicznej Przerobki Węgla.

(Coal)

CISZEWSKA, Irena; MILASZEWICZ, Olgierd

Petrographic composition and coking properties of some Polish commercial coal. Koks 6 no. 5:159-165 0 '61.

1. Instytut Chemicznej Przerobki Węgla.

(Poland—Coal)

CISENKA-FULATOWSKA, Hanna

It is necessary to bring the technical libraries up-to-date.
Przegl techn 86 no.18:7 2 kw 1965.

P/036/60/000/001/005/006
A123/A026

AUTHORS: Ciszewski, Andrzej; Radomski, Tadeusz; - Masters of Engineering

TITLE: Welding of Magnesium Alloys. Part II

PERIODICAL: Przegląd Spawalnictwa, 1960, No. 1, pp. 18 - 24

TEXT: This is the continuation of an article published in No. 12, 1959, of this periodical. The authors describe chemical and mechanical cleaning of work pieces and their preparation for the welding process. Data on etching fluids and on the electric resistance of surface-cleaned work pieces are given in Tables 3 and 4. Welding with infusible Tungsten electrodes is described. Data on consumption of feeder rod material are given in Table 5, the way the material is conveyed by the arc is described and shown on a photograph (Fig. 9). The feasibility of different types of currents, consumption of argon and welding speed of welding machines are given in Tables 6 and 7. The relations between current and rod consumption are shown in Figures 10 and 11. Mechanical properties of welds are discussed. Hardness conditions in welds are shown in a diagram (Fig. 12) and on microphotographs (Figs. 13 and 14). Mechanical data on welds are given in Tables 8 - 10. Heat treatment of welds is discussed and

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12400

AUTHORS: Ciszewski, Andrzej, Master of Engineering, and Radomski, Tadeusz, Master of Engineering

TITLE: Spelter solders

PERIODICAL: Przegląd spawalnictwa, no. 11, 1961, 300-306

TEXT: The article presents a review of spelter solders and their application in industry. The article is the second in a serial of two; the first one appeared in no. 10, 1961 of this periodical. Properties of various solders are discussed fairly extensively. Only those silver base spelter solders are of industrial importance which melt at 420-920°C. They contain Cu, Zn, Cd, Mn and sometimes Ni, Sn, P and Li; they are applicable for soldering all kinds of steel, Cu and its alloys, Ag, Au, Ni, Ti and sintered carbide slabs with steel. They are not suitable for jointing Al, Mn, Zn and their alloys. Solders containing Pd and Mn are heat resistant. Chemical composition of the nine Polish standardized silver base solders (PN/M-69,411) and their applications are listed in tables, as well as the composition of

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Spelter solders

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13 Soviet standardized silver base solders (GOST 8190.56) and their applicability. Gold base spelter solders are used mostly by jewellers and in dentistry; however, when alloyed with Cu and Ni, they are used for soldering vacuum apparatuses. Chemical composition of 10 gold base solders with their respective melting and soldering temperatures are listed in a table and the composition of five solders used for vacuum apparatuses in another table. Spelter solders based on Al, applicable for soldering Al and its alloys, except most duralumina (Al-Cu-Mg) and the W 95 alloy (Al-Zn-Mg-Cu), contain Si, Cu, Zn and sometimes Mn, Cd and Sn. Aluminum-silicon solders are not yet standardized in Poland. The composition of 12 solders based on Si and their respective melting and soldering temperatures are listed in a table. Mg base solders are applicable only for magnesium alloys, because their bonds with other metals are brittle and corrode easily. Heat resistant spelter solders are based mostly on Ni. They are applicable for soldering Cr-Mo steels, stainless steels and heat resistant alloys of the Hastelloy type (Ni-Mo-Cr-Fe). Solders based on Au and Pd are used for brazing the elements of atomic reactor heat exchangers in which liquid sodium is used as a coolant. These solders are highly resistant against Na corrosion and

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Spelter solders

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oxidation and are still subject to investigation. There are 14 tables, 1 graph, 9 Soviet-bloc and 11 non-Soviet-bloc references. The four most recent references to English language publications read as follows: J.B. McAndrew, H. Schwarzbart, R. Necheles: Corrosion Resistance of Zircalloy - 2, Brazement in High-Temperature Water, The Welding Journal, nr 6, 1957; A.A. Lanzara, A.M. Setapen: Sterling-Lithium Alloy Selected for Brazing Stainless-Steel Sandwich Panels, The Welding Journal, nr 2, 1959; G.M. Slaughter, C.F. Leitten, J.P. Patriarca, E.E. Hoffman, W.D. Manly: Sodium Corrosion and Oxidation Resistance of High-Temperature Brazing Alloys, The Welding Journal, nr 5, 1957; W. Feduska: High-Temperature Brazing Alloy-Base Metal Wetting Reactions, The Welding Journal, nr 3, 1959. X

ASSOCIATION: Politechnika Warszawska (Warsaw Polytechnic Institute) Warsaw.

Card 3/3

CISZEWSKI, Andrzej, mgr., inż.; RADOMSKI, Tadeusz, mgr., inż.

Soft solders. Przegl spaw 13 no.9:236-240 S '61.

1. Politechnika, Warszawa.

CISZEWSKI, Andrzej, mgr., inż.; RADOMSKI, Tadeusz, mgr., inż.

Brazing filler metals. Pt. 1. Przegl spaw 13 no.10:270-274 '61.

1. Politechnika Warszawska.

CISZEWSKI, Andrzej, mgr., inż.; RADOMSKI, Tadeusz, mgr., inż.

Brazing filler metals. Conclusion. Przegl spaw 13 no.11:300-306 '61.

1. Politechnika Warszawska.

CISZEWSKI, Andrzej, mgr. inz.; RADOMSKI, Tadeusz, mgr. inz.

Welding, pressure welding and brazing of magnesium alloys.
Techn lotn 16 no.11:268-275 N '61.

RADOMSKI, Tadeusz, mgr., inż. ; CISZEWSKI, Andrzej, mgr., inż.

Brazing fluxes. Pt. 1. To be contd. Przegl spaw 14 no. 3:79-84
March '62.

1. Politechnika Warszawska

RADOMSKI, Tadeusz, mgr inż.; CISZEWSKI, Andrzej, mgr inż.

Preparation of the elements for brazing. Przeg spaw 14 no.8:214-
219 Ag '62.

1. Politechnika, Warszawa.

RADOMSKI, Tadeusz, mgr. inż.; CISZEWSKI, Andrzej, mgr. inż.

Brazing fluxes. Przegl spawaln 14 no.4:106-109 Ap '62.

1. Politechnika, Warszawa.

RADOMSKI, Tadeusz, mgr. inz.; CISZEWSKI, Andrzej, mgr. inz.

Designing of soldered joints. Przegl spaw 14 no.7:184-188
Jl '62.

1. Politechnika, Warszawa.

CISZEWSKI, A., mgr. inz.; RADOMSKI, T., mgr. inz.

Materials used in aircraft construction. Pt. 2a. Heat resisting steel. Techn lotn 17 no.6:2, 3-4 of cover Je '62.

CISZEWSKI, Andrzej, mgr. inz.; RADOMSKI, Tadeusz, mgr. inz.

Materials used in the construction of aircraft. Pt. 2.
Techn lotn 17 no.7:2, 3-4 of cover J1 '62.

RADOMSKI, Tadeusz, mgr inż.; CISZEWSKI, Andrzej, mgr inż.

Soft soldering and soldering tools. Przegl spaw 15 no.1:
19-22 Ja '63.

1. Politechnika, Warszawa.

RADOMSKI, Tadeusz, mgr inż.; CISZEWSKI, Andrzej, mgr inż.

Preparation of parts for brazing. Przegl spaw 14 no.9:230-235
S '62.

1. Politechnika, Warszawa.

CISZEWSKI, A., mgr inz.; RADOMSKI, T., mgr inz.

Heat-resisting alloys. Techn lotn 17 no.6:2 of cover, 3-4 of
cover S '62.

CISZEWSKI A., mgr inz.; RADOMSKI, T., mgr inz.

Materials used in aircraft constructions. Pt. 3. Techn lotn 18
no.4/5:2,3,4 of cover Ap-May '63.

CISZEWSKI, A., mgr inz.; RADOMSKI, T., mgr inz.

Materials used in aircraft design. Pt. 4. Techn lotn 18
no.6:2,3,4 of cover Ja '63.

CISZEWSKI, A., mgr inz.; RADOMSKI, T., mgr inz.

Materials used in aircraft designs. Pt. 5. Techn lotn 18 no.10:
2, 3, 4 of cover 0 '63.

GISZEWSKI, A., mgr inz.; RADOMSKI, T., mgr inz.

Materials used in aviation designing; alloys with titanium

as main component. Techn lotn 18 no.12: 2 of cover, 3 of cover, 4 of cover D'63.